

**Notice of Allowability**

Application No.

10/577,093

Examiner

Charles I. Boyer

Applicant(s)

CHEUNG ET AL.

Art Unit

1751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the application received April 26, 2006.
2. ☒ The allowed claim(s) is/are 1-3,7,9,11-17,19 and 20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 4/26/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**CHARLES BOYER**  
**PRIMARY EXAMINER**

*Charles Boyer*

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Andrew Parfomak on July 6, 2007.

The application has been amended as follows:

Delete claim 1 and insert new claim 1 as follows:

--1. Thickened aqueous acidic hard surface cleaning and disinfecting composition with film forming properties which comprises:

0.1 - 10% wt. of one or more nonionic surfactants;

0.1 - 3% wt. of one or more quaternary ammonium surfactant compounds having germicidal properties;

0.1 - 15% wt. of an acid constituent based on one or more water soluble organic acids, particularly water soluble organic acids selected from the group consisting of formic acid, citric acid, mixtures of formic acid with citric acid, and oxalic acid;

0.1 - 5% wt. of a cellulose based thickening composition;

0.01 - 5% wt. of a film-forming, organosilicone quaternary ammonium compound;

up to 10% wt. of one or more of a pH adjusting agent, fragrance/perfume, or coloring agent;

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optionally, one or more further conventional constituents selected from the group consisting of pH buffering agents, perfume carriers, hydrotropes, additional germicides, fungicides, anti-oxidants, and anti-corrosion agents; and, water.--

Cancel claims 8, 10, and 18

Delete claim 12 and insert new claim 12 as follows:

--12. Thickened aqueous acidic hard surface cleaning and disinfecting composition with film forming properties which consists essentially of:

0.1 - 10% wt. of one or more nonionic surfactants;

0.1 - 3% wt. of one or more quaternary ammonium surfactant compounds having germicidal properties;

0.1 - 15% wt. of an acid constituent based on one or more water soluble organic acids, particularly water soluble organic acids selected from the group consisting of formic acid, citric acid, mixtures of formic acid with citric acid, and oxalic acid;

0.1 - 5% wt. of a cellulose based thickening composition;

0.01 - 5% wt. of a film-forming, organosilicone quaternary ammonium compound;

up to 10% wt. of one or more of a pH adjusting agent, fragrance/perfume, or coloring agent;

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optionally, one or more further conventional constituents selected from the group consisting of pH buffering agents, perfume carriers, hydrotropes, additional germicides, fungicides, anti-oxidants, and anti-corrosion agents; and, water.--

In line 4 of claim 20, delete "compositions of the invention" and insert --composition according to claim 1—

2. The following is an examiner's statement of reasons for allowance: Applicants have claimed a composition according to claim 1 set forth above. Though all of the individual components of the present claims are known for use in detergent compositions, the prior art does not teach applicants' specific combination of these seven different components in the specific proportions claimed. It would not have been obvious for one of ordinary skill in the art to select this specific combination of components, in the specific proportions claimed, to arrive at a hard surface cleaner, absent the teachings of applicants. Accordingly, the present claims are allowable.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles I. Boyer whose telephone number is 571 272 1311. The examiner can normally be reached on M-Th 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on 571 272 1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Charles I Boyer  
Primary Examiner  
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